Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/15/2021 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124005	-1	3.02	124292	2.91
Blue	F	SSC	125000	123282	-2	3.98	124332	3.90
Blue	E	FITC	14203	13651	-4	3.21	296	15.39
Blue	D	PE	25703	25172	-3	2.97	545	10.64
Blue	B	PerCP-Cy5-5	42104	41020	-3	3.56	914	14.74
Blue	A	PE-Cy7	34646	34320	-1	4.70	493	28.56
Red	C	APC	49824	49176	-2	3.26	1504	11.52
Red	A	APC-Cy7	39773	38723	-3	3.24	725	12.13
Violet	B	V450	7447	7060	-6	3.94	408	12.60
Violet	A	V500	31193	29834	-5	3.78	681	10.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21347	2.63	548	-8	N/A	N/A	Pass
Blue	F	SSC	54912	2.86	512	0	N/A	N/A	Pass
Blue	E	FITC	55	51.89	482	-4	0.0398	72	Pass
Blue	D	PE	109	38.02	484	-1	0.3988	286	Pass
Blue	B	PerCP-Cy5-5	177	35.02	575	-2	0.0190	20	Pass
Blue	A	PE-Cy7	111	63.01	620	0	0.0232	3	Pass
Red	C	APC	353	23.88	569	2	0.0277	94	Pass
Red	A	APC-Cy7	200	24.56	545	1	0.0057	271	Pass
Violet	B	V450	90	41.65	449	0	0.0490	1858	Pass
Violet	A	V500	119	30.41	467	0	0.0256	918	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.29	-32.02	1.02
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.63	15.99 - 23.99	N/A	N/A	30.36	30.63	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9952

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments